

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Changwen Liu

Title: SYSTEMS AND METHODS FOR CONTENTION CONTROL IN WIRELESS NETWORKS

Docket No.: 884.933US1

Filed: September 30, 2003

Examiner: Unknown

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450



Serial No.: 10/675879

Due Date: N/A

Group Art Unit: 2681

We are transmitting herewith the following attached items (as indicated with an "X"):

☒ A return postcard.

☒ An Information Disclosure Statement (2 pgs.), Form 1449 (1 pg.), and copies of 3 cited documents.

If not provided for in a separate paper filed herewith, Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

Customer Number 21186

By: 

Atty: Rodney L. Lacy

Reg. No. 41,136

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 28 day of April, 2004.

Name

KACIA LEE

Signature

Kacia Lee

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

(GENERAL)



S/N 10/675879

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Changwen Liu	Examiner:	Unknown
Serial No.:	10/675879	Group Art Unit:	2681
Filed:	September 30, 2003	Docket:	884.933US1
Title:	SYSTEMS AND METHODS FOR CONTENTION CONTROL IN WIRELESS NETWORKS		
Assignee:	Intel Corporation	Customer No:	21186

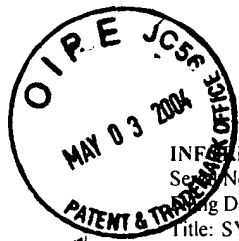
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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicant respectfully requests that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicant requests that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicant with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Information Disclosure Statement considered.



INFORMATION DISCLOSURE STATEMENT

Serial No.: 10/675879

Filing Date: September 30, 2003

Title: SYSTEMS AND METHODS FOR CONTENTION CONTROL IN WIRELESS NETWORKS

Assignee: Intel Corporation

Page 2

Dkt: 884.933US1 (INTEL)

The present application is either a U.S. national patent application filed after June 30, 2003 or an international application that entered the national stage under 35 U.S.C. § 371 after June 30, 2003. Thus, Applicant believes that the U.S. Patent & Trademark Office has waived the requirement under 37 C.F.R. 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication. The waiver is provided in a pre-OG notice from the U.S. Patent & Trademark Office entitled "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003" and dated July 11, 2003. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

CHANGWEN LIU

By his Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
Attorneys for Intel Corporation  
P.O. Box 2938  
Minneapolis, Minnesota 55402  
(612) 373-6954

Date Apr. 28, 2004

By [Signature]  
Rodney L. Lacy  
Reg. No. 41,136

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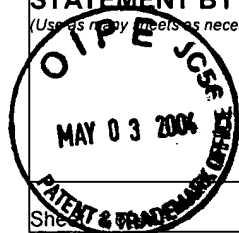
KACIA LEE  
Name

Kacia Lee  
Signature

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number	10/675879
Filing Date	September 30, 2003
First Named Inventor	Liu, Changwen
Group Art Unit	2681
Examiner Name	Unknown

Attorney Docket No: 884.933US1

**US PATENT DOCUMENTS**

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>
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**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		CALI, F , "Dynamic tuning of the IEEE 802.11 protocol to achieve a theoretical throughput limit", <u>IEEE/ACM Transactions on Networking</u> , 8(6), (December 2000), 785-799	
		CHIU, D , "Analysis of the Increase/Decrease Algorithms for Congestion Avoidance in Computer Networks", <u>Journal of Computer Networks and ISDN</u> , 17(1), (June 1989) ,1-14	
		JACOBSON, VAN , "Congestion Avoidance and Control", <u>ACM Computer Communication Review; Proceedings of the Sigcomm '88 Symposium in Stanford, CA</u> , (November 1988), 1-25	

**EXAMINER****DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached